

ACcess Series

User Manual

Teleste Corporation

AC6901
USB to Bluetooth adapter

Introduction

AC6901 is an adapter for connecting a PC or a tablet/mobile device to AC or ACE platform amplifiers and nodes using wireless Bluetooth connection. The AC6901 makes it possible to connect to and configure an amplifier or a node conveniently within up to 10 m range without using cumbersome cabling requiring a PC to be placed next to the configured device.

Features

AC6901 contains an internal rechargeable lithium-polymer battery. It should not be exposed to excessive heat, vibration or mechanical shock.

AC6901 is automatically turned on when it is connected to the USB port of an ACE family product, and turns automatically off when disconnected from the USB port. The internal battery is automatically charged while connected.

AC family products do not provide supply voltage to their USB ports, thus AC6901 uses its internal battery and needs to be turned on and off by pressing the power button next to the USB connector. First connect AC6901 to the device, then press the button to turn AC6901 on.

CATVisor Commander 2.9 or later is needed for USB support.

Establishing Bluetooth connection

AC6901 should be paired with the PC / tablet / phone using normal Bluetooth device discovery. The PIN code needed for pairing is 6901.

AC6901 appears as "AC6901-X-YYYYYY" in the Bluetooth device list, with X indicating AC6901 version and YYYYYY the end of its MAC address.

Leds and button

There are two leds next to the button visible through the transparent enclosure.

Power led (next to USB connector) blinks in red / green during startup and then:

- Green: power on, battery OK
- Yellow: power on, battery charging
- Red: power on, battery voltage low
- Dark: power off

Bluetooth led (next to power button):

- Blinking blue: Searching for Bluetooth connection
- Blue: Bluetooth connection OK
- White/blue flashes: Data transferred over Bluetooth
- Dark: power off

Pressing the power button next to USB connector turns battery power on/off. First connect AC6901 to host, then press the button. The power button is not needed when AC6901 is used with ACE family products.

Charging the internal battery

AC6901 internal battery is charged whenever +5V is fed to AC6901 USB port, either via ACE family product providing this voltage, or external USB charger.

The charging time is typically 1 hour. During charging the power led is yellow. When charging is completed the power led is green.

When the charging has been completed, it is recommended to disconnect AC6901 from the power supply. It should not be left connected for several days.

Typical operation time with internal battery and continuous Bluetooth link activity is 3 hours. If the connected amplifier / node / transponder has no external power supply and its microcontroller is powered from AC6901, typical operation time is reduced to 1 hour. Freezing temperatures will further reduce the operation time.

If AC6901 fails to turn on (i.e. leds stay dark) when the button is pressed, the internal battery is empty and needs to be charged. If charging the AC6901 does not help, the internal battery may have reached its end of life and needs to be replaced by Teleste service.

Using AC6901 Bluetooth adapter

If you are using an ACE8, plug in AC6901 and it will power up immediately. This is indicated by a green light and a blinking blue light.



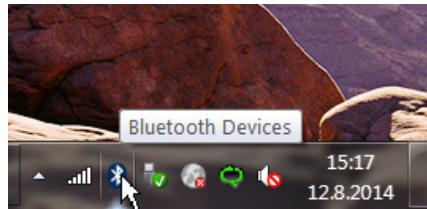
You can do the pairing also without a 'mother' device by powering AC6901 using its internal battery. To do this, press the AC6901 button (shortly). The lights will light up as indicated above.

Note 1: ACx devices do not provide supply voltage via USB. When connected to these devices, AC6901 must be power from the internal battery.

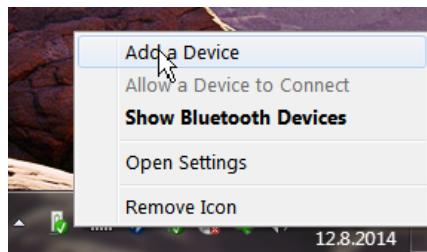
Note 2: To shut down AC6901 when using the internal battery, click the button again. Battery power will be shut down automatically after 5 minutes, if there is no activity from Bluetooth to USB.

Pairing AC6901 in Windows 7

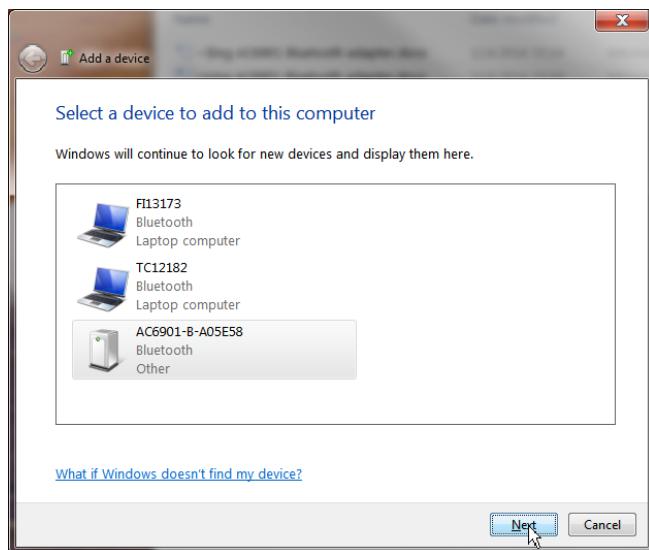
If your computer has Bluetooth adapter enabled, you should see a Bluetooth icon the Taskbar notification area.



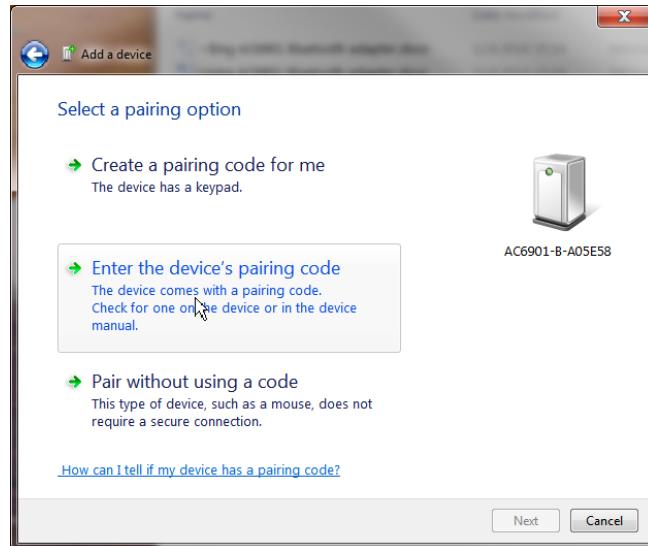
Click the icon with the secondary mouse button and click 'Add a Device'.



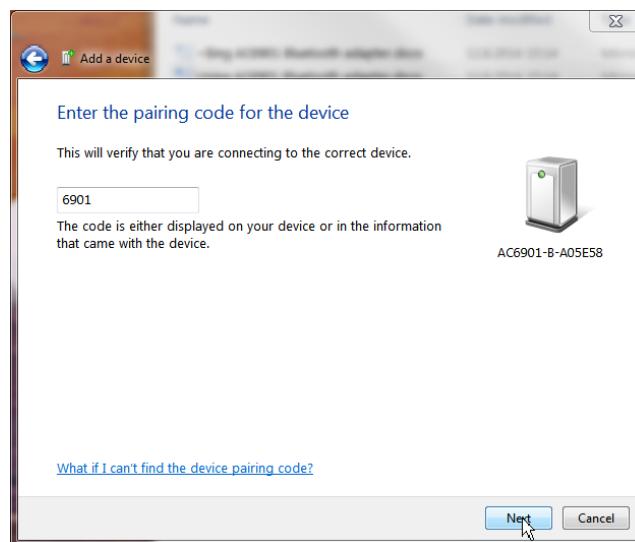
The following 'Add a device' wizard appears and Windows starts looking for Bluetooth devices immediately.



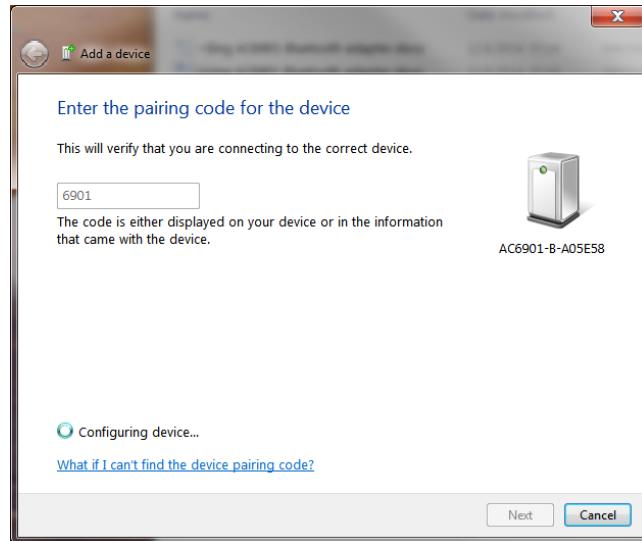
Once your device appears on the list, select it and click 'Next'.



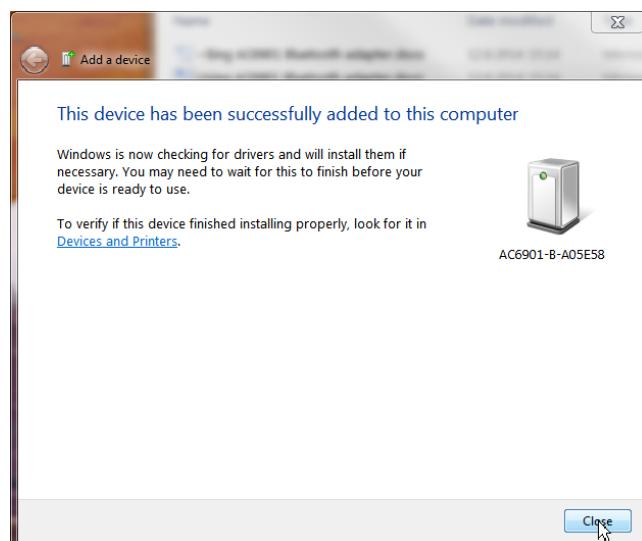
Select the pairing option highlighted above and click 'Next'.



Enter the pairing code '6901' and click 'Next'.

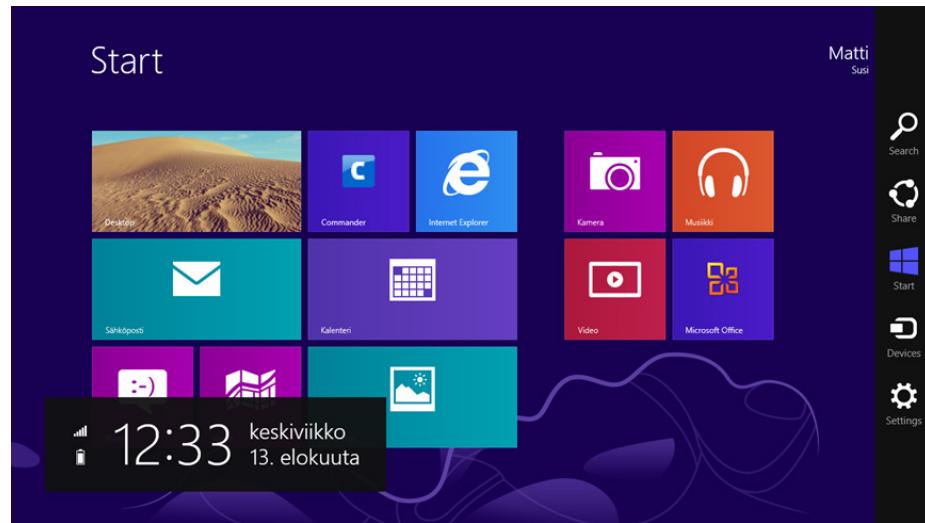


After the message 'Configuring device...' disappears, your AC6901 is ready for use. To end the procedure, click 'Close'.

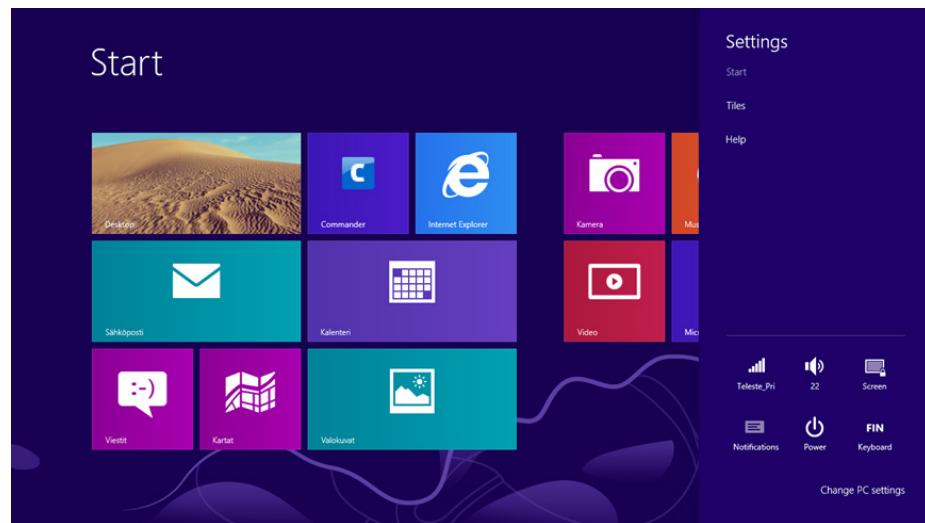


Pairing AC6901 in Windows 8

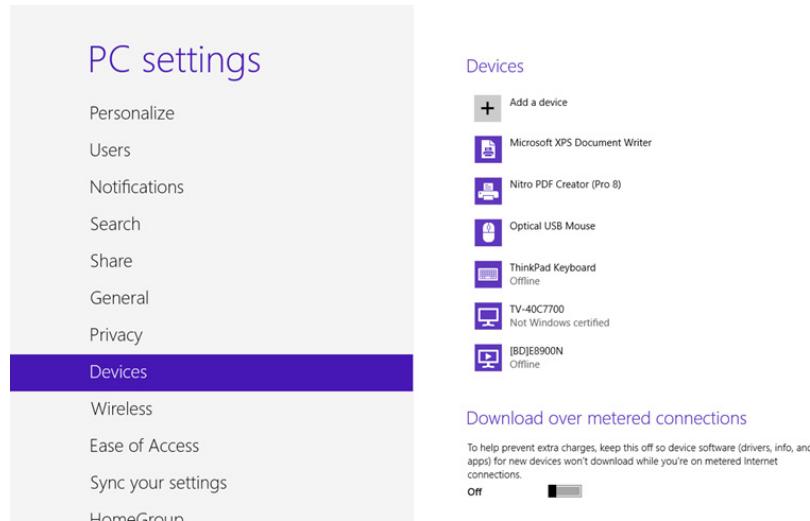
Swipe the start menu from the right side to access the basic control panel:



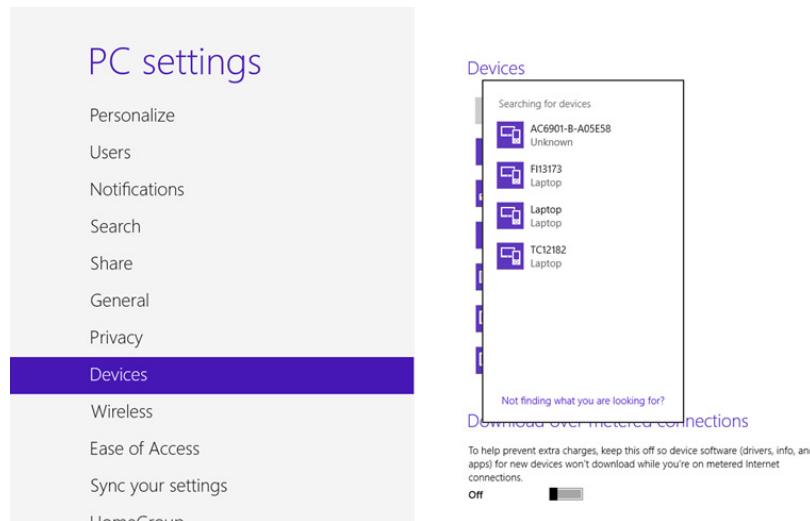
Tap/click 'Settings' and then tap/click 'Change PC settings':



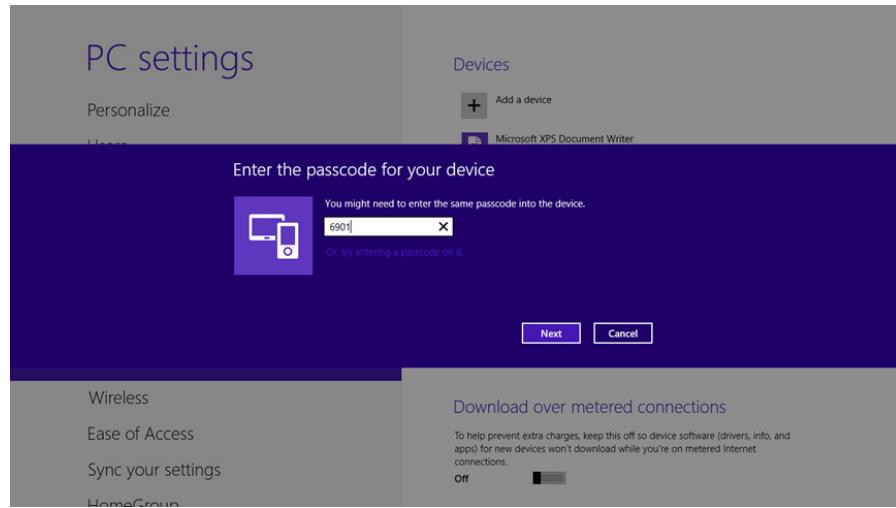
From the 'PC settings' menu, tap/click 'Devices':



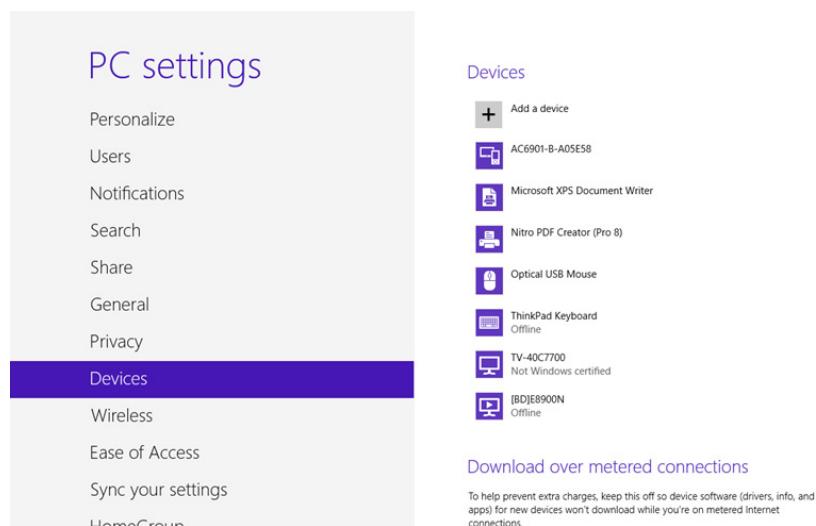
Then tap/click 'Add a device':



When the search is complete and AC6901 appears on the list, tap/click it:



Type in the PIN code and tap/click 'Next':



AC6901 is now successfully paired with your PC.

Using AC6901 with CATVisor Commander

AC6901 is supported only in CATVisor Commander release 2.9 or later. Using a Bluetooth connection in Commander is very simple as there are specific menu selections and a menu bar button for the Bluetooth connection.

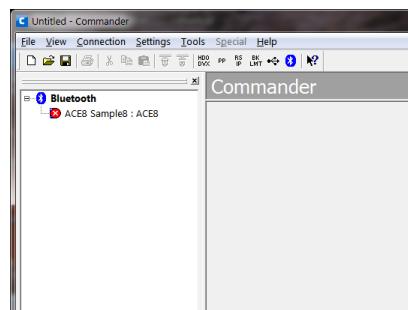


Before opening the Bluetooth connection, AC6901 USB cable must be plugged into the device.

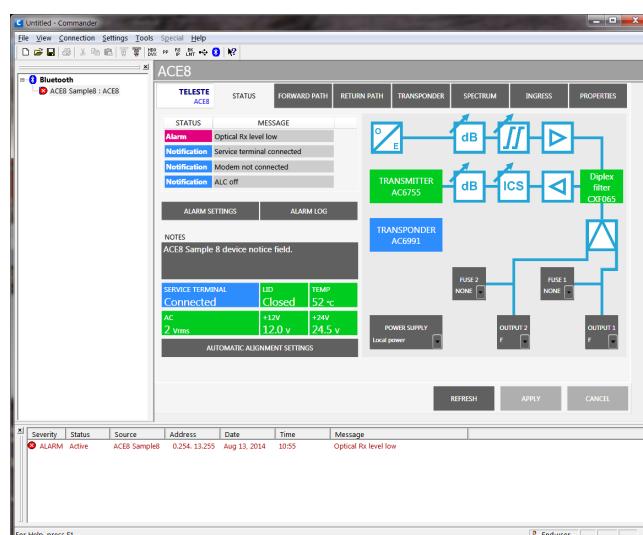
Important note: With devices needing the use of the AC6901 internal battery, **first plug in the USB** and only then switch on AC6901.

To open the connection, simply click the Bluetooth button.

If AC6901 is properly paired and connected to a device, the connection will open and the Element directory will show the connection and the device:



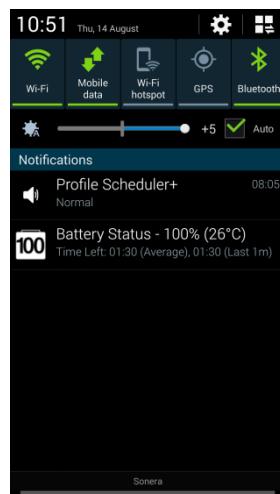
After selecting the device, the viewer will open, as usual.



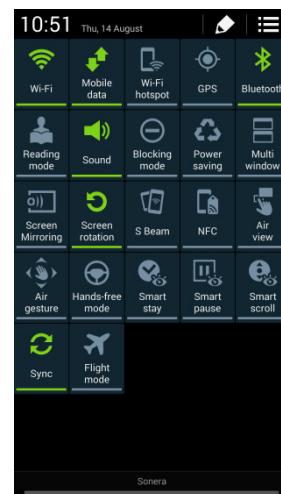
Pairing AC6901 in Android 4.x

Open Android control panel by swiping down from the top of the display. If your control panel does not contain the Bluetooth button, swipe the display with two fingers to show full control panel.

Normal control panel

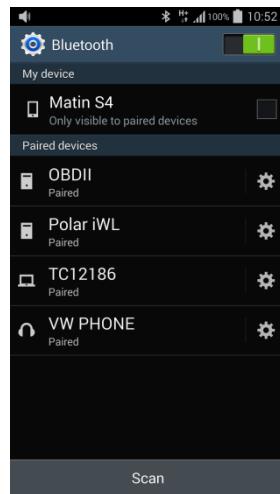


Full control panel

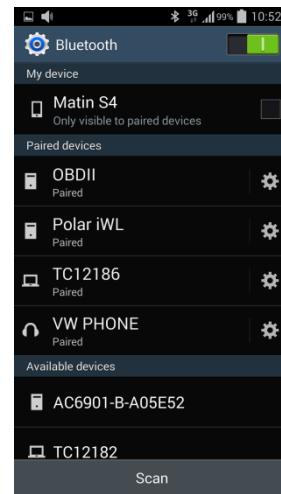


To display Bluetooth devices, press the Bluetooth virtual button more than ~ half a second. To search for new Bluetooth devices, click 'Scan'. After a while, AC6901 should appear on the list.

Before scan



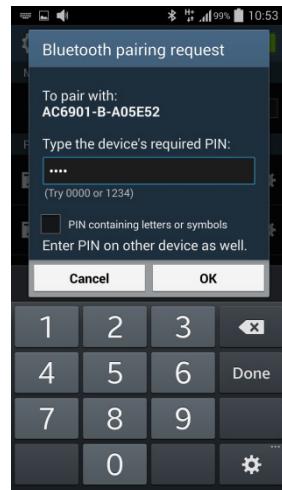
After scan



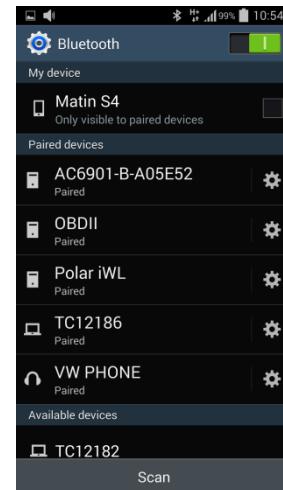
Click the device to pair it. A Bluetooth pairing request panel will appear. Type in the PIN code '6901' and click 'OK'.

After this the device appears on the list with status 'Paired'.

Entering the PIN



Adapter is paired

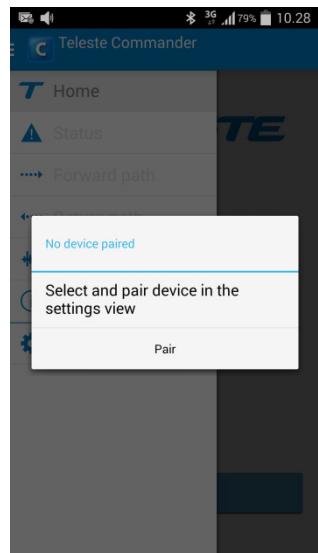


Your AC6901 is now ready for use.

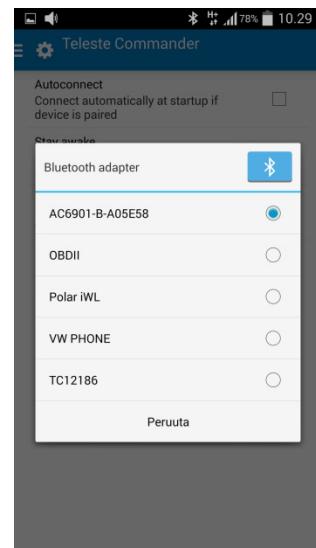
Using ‘Teleste Commander’ with AC6901

When starting Teleste Commander for the first time, it will ask you to select a Bluetooth adapter. Click ‘Pair’ and the Bluetooth adapter selection dialogue opens:

Start-up message



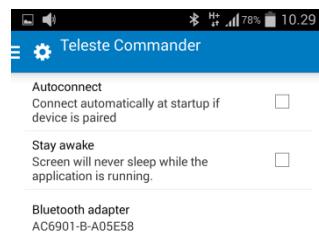
Adapter selection



Select the AC6901 adapter you want to use. You can pair several adapters, but use only one at a time.

After you have selected the adapter, click the Android ‘Back’ button to enter Commander main screen.

To change the adapter, go to ‘Settings’ and select another adapter.



After you have selected the adapter, simply click 'Connect' in Commander main menu and the connection will be established. To disconnect, simply click 'Disconnect'.

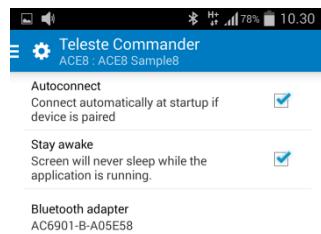
Disconnected



Connected

**Connect****Disconnect**

If you want Commander to connect to the device when it starts, open the 'Settings' menu and enable the 'Autoconnect' setting. You may also want to keep the screen on when Commander is running by enabling the 'Stay awake' setting.



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European Conformity

This equipment conforms to all applicable regulations and directives of European Union which concern it and has gone through relevant conformity assessment procedures.

